	Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims	10653809	PAVLOV ET AL.
	Examiner	Art Unit
	Cruz, Iriana	2625

✓	Rejected	-	Cancelled	N	Non-Elected	Α	Appeal
=	Allowed	÷	Restricted	I	Interference	0	Objected

Final Original 11/20/2007 06/06/2008	Original 11/20/2007 06/06/2008	CLAIM DATE							
1	1 Y Y 2 Y Y 3 Y Y 4 Y Y 5 Y Y 6 Y Y 7 Y Y 8 Y Y 10 Y Y 11 Y Y 12 Y Y 13 Y Y 14 Y Y 15 Y Y 16 Y Y 17 Y Y 20 Y Y 21 Y Y 22 Y Y 23 Y Y 24 Y Y 25 Y Y 26 Y Y 28 Y Y 30 Y Y 31 Y Y 33 Y Y 33 Y Y 34 Y			11/20/2007	06/06/2008				
2	2								
4 ✓ ✓ 5 ✓ ✓ 6 ✓ ✓ 7 ✓ ✓ 8 ✓ ✓ 9 ✓ ✓ 10 ✓ ✓ 11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 13 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 33 ✓ <t< td=""><td>4 ✓ ✓ 5 ✓ ✓ 6 ✓ ✓ 7 ✓ ✓ 8 ✓ ✓ 9 ✓ ✓ 10 ✓ ✓ 11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓</td><td></td><td></td><td>√</td><td>√</td><td></td><td></td><td></td><td></td></t<>	4 ✓ ✓ 5 ✓ ✓ 6 ✓ ✓ 7 ✓ ✓ 8 ✓ ✓ 9 ✓ ✓ 10 ✓ ✓ 11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓			√	√				
4 ✓ ✓ 5 ✓ ✓ 6 ✓ ✓ 7 ✓ ✓ 8 ✓ ✓ 9 ✓ ✓ 10 ✓ ✓ 11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 13 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 33 ✓ ✓	4 ✓ ✓ 5 ✓ ✓ 6 ✓ ✓ 7 ✓ ✓ 8 ✓ ✓ 9 ✓ ✓ 10 ✓ ✓ 11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓		3	√	√				
6	6			√	√				<u> </u>
7	7		5	√	✓				
8	8		6	√	✓				
9	9			√	✓				
10	110		8	√	✓				
11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓	11 ✓ ✓ 12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓		9	√	√				
12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓	12 ✓ ✓ 13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓		10	√	✓				
13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓	13 ✓ ✓ 14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓		11	✓	✓				
14 ' ' 15 ' ' 16 ' ' 17 ' ' 18 ' ' 19 ' ' 20 ' ' 21 ' ' 22 ' ' 23 ' ' 24 ' ' 25 ' ' 26 ' ' 27 ' ' 28 ' ' 29 ' ' 30 ' ' 31 ' ' 32 ' '	14 ✓ ✓ 15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓		12	✓	✓				
15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓	15 ✓ ✓ 16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		13	✓	✓				
16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓	16 ✓ ✓ 17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		14	✓	✓				
17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓	17 ✓ ✓ 18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		15	✓	✓				
18 V V 19 V V 20 V V 21 V V 22 V V 23 V V 24 V V 25 V V 26 V V 27 V V 28 V V 29 V V 30 V V 31 V V 32 V V 33 V V	18 ✓ ✓ 19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		16	✓	✓				
19	19 ✓ ✓ 20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		17	✓	✓				
20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓	20 ✓ ✓ 21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		18	✓	✓				
21	21 ✓ ✓ 22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		19	√	✓				
22	22 ✓ ✓ 23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		20	√	✓				
23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓	23 ✓ ✓ 24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		21	✓	✓				
24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓	24 ✓ ✓ 25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		22	✓	✓				
25	25 ✓ ✓ 26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		23	✓	✓				
26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓	26 ✓ ✓ 27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		24	√	✓				
27	27 ✓ ✓ 28 ✓ ✓ 29 ✓ ✓ 30 ✓ ✓ 31 ✓ ✓ 32 ✓ ✓ 33 ✓ ✓ 34 ✓ ✓		25	√	✓				
28	28		26	✓	√				
29	29		27	✓	✓				
30	30		28	√	✓				
31	31		29	✓	✓				
32	32		30	✓	✓				
33 🗸 🗸	33		31	✓	✓				
	34 🗸 🗸		32	✓	✓				
			33	√	✓				
34 7 7	35 🗸		34	√	✓				

U.S. Patent and Trademark Office

	Application/C				cant(s)/Patent Under amination				
Index of	Claims	10653809	10653809			PAVLOV ET AL.			
		Examiner	Examiner			Art Unit			
		Cruz, Iriana	Cruz, Iriana			2625			
✓ Rejected	-	Cancelled	N	Non-Ele	cted	Α	Appeal		
= Allowed	÷	Restricted	I	0	Objected				
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47									
CLAIM				DATE					

Final

Original

37

11/20/2007 06/06/2008

U.S. Patent and Trademark Office Part of Paper No. :